

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	megasonic and (electrical near3 (feedthrough or conduit))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/10/27 09:21
S1	1147	(134/186).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:30
S2	88	S1 and transducer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 13:53
S3	66	S1 and transducer and (chamber or box or vessel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 13:54
S4	76	S1 and transducer and (chamber or box or vessel or housing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 13:54
S5	24	S1 and transducer and (chamber or box or vessel or housing) and cylindrical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 13:54
S6	45	S1 and transducer and (chamber or box or vessel or housing) and (pressure or supercritical)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 13:59
S7	88	S1 and transducer	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 14:10
S8	827	(134/184).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:48
S9	2774	((134/184) or (134/186) or (134/1.3)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 16:48
S10	222	S9 and megasonic	USPAT	OR	ON	2006/10/25 16:02

## EAST Search History

S11	9	S9 and megasonic and supercritical	USPAT	OR	ON	2006/10/25 15:51
S12	158	S9 and megasonic and pressur\$4	USPAT	OR	ON	2006/10/25 15:52
S13	49	("20020096578"   "20030062071"   "20040094183"   "2498990"   "3969196"   "4012194"   "4543130"   "4944837"   "4998549"   "5013366"   "5201960"   "5213619"   "5236602"   "5316591"   "5337446"   "5339844"   "5344493"   "5412958"   "5456759"   "5494526"   "5501761"   "5505219"   "5514220"   "5522938"   "5526834"   "5700379"   "5730874"   "5772783"   "5789705"   "5873948"   "5908510"   "5944996"   "5965025"   "5976264"   "6067728"   "6085762"   "6092538"   "6106474"   "6114044"   "6165560"   "6176895"   "6224774"   "6228563"   "6240936"   "6242165"   "6277753"   "6286231"   "6306564").PN. OR ("6880560").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 15:56
S14	30	S9 and megasonic and (carbon adj dioxide)	USPAT	OR	ON	2006/10/25 16:00
S15	5	("20030045131"   "20040248329"   "6007675"   "6641678"   "6748960").PN. OR ("7000621").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 16:01
S16	39	S9 and megasonic and cylindr\$4 and pressur\$4	USPAT	OR	ON	2006/10/25 16:05
S17	27	S9 and megasonic and cylindr\$4 and pressur\$4 and (gas or gases or carbon dioxide)	USPAT	OR	ON	2006/10/25 16:06

## EAST Search History

S18	80	("2498737"   "2760501"   "2802476"   "2814575"   "2934661"   "2950725"   "3077155"   "3401708"   "3596883"   "3700937"   "3972018"   "4183011"   "4543130"   "4565942"   "4635666"   "4694527"   "4804007"   "4823041"   "4841581"   "4869278"   "4902350"   "4905325"   "4917123"   "4934392"   "4971920"   "4980300"   "4997490"   "4998549"   "5037481"   "5071776"   "5078801"   "5090432"   "5247954"   "5279316"   "5286657"   "5365960").PN. OR ("5534076").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 16:08
S19	221	megasonic and (electrical near3 connection)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 16:49
S20	72	megasonic and (electrical near3 connection) and (ring or cylind\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 16:49
S21	84	megasonic and (electrical near3 connection and atmospher\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 16:49
S22	0	megasonic and (electrical near3 connection same atmospher\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 16:50
S23	0	megasonic and ((electrical near3 connection) same atmospher\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:01
S24	223	megasonic and (electric\$4 same (pressure or atmospher\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:34

## EAST Search History

S25	61	("4695327"   "4816080"   "4962776"   "5013366"   "5115576"   "5137580"   "5180438"   "5201960"   "5273589"   "5286657"   "5316591").PN. OR ("5494526").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/25 16:58
S26	337	megasonic and transducer and electrical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/25 17:01
S27	1	"6880560".pn.	USPAT	OR	OFF	2006/10/26 09:48
S28	49	("20020096578"   "20030062071"   "20040094183"   "2498990"   "3969196"   "4012194"   "4543130"   "4944837"   "4998549"   "5013366"   "5201960"   "5213619"   "5236602"   "5316591"   "5337446"   "5339844"   "5344493"   "5412958"   "5456759"   "5494526"   "5501761"   "5505219"   "5514220"   "5522938"   "5526834"   "5700379"   "5730874"   "5772783"   "5789705"   "5873948"   "5908510"   "5944996"   "5965025"   "5976264"   "6067728"   "6085762"   "6092538"   "6106474"   "6114044"   "6165560"   "6176895"   "6224774"   "6228563"   "6240936"   "6242165"   "6277753"   "6286231"   "6306564").PN. OR ("6880560").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 09:50
S29	9	S28 and megasonic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 09:53
S30	10	megasonic and (electrical near3 pressure)	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 09:55
S31	544	megasonic and transducer	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 09:55
S32	1633	megasonic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 09:56

## EAST Search History

S33	1735	megasonic	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/26 10:55
S34	1570	megasonic and semiconductor	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/26 09:56
S35	890	megasonic and chamber	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/26 09:57
S36	557	megasonic and transducer	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/26 09:57
S37	0	("2006/0180186").URPN.	USPAT	OR	OFF	2006/10/26 09:58
S38	0	("2006/0237043").URPN.	USPAT	OR	OFF	2006/10/26 10:08
S39	714	megasonic and "134".clas.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/26 10:17
S40	1	("2003/0200986").URPN.	USPAT	OR	OFF	2006/10/26 10:16
S41	33	megasonic and "134".clas. and supercritical and carbon and dioxide	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/26 10:18
S42	3	("2003/0116176").URPN.	USPAT	OR	OFF	2006/10/26 10:22
S43	61	("4695327"   "4816080"   "4962776"   "5013366"   "5115576"   "5137580"   "5180438"   "5201960"   "5273589"   "5286657"   "5316591").PN. OR ("5494526"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 10:54
S44	7	S43 and megasonic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 10:29
S45	1	("6880560").PN.	USPAT; USOCR	OR	OFF	2006/10/26 10:54

## EAST Search History

S46	49	("20020096578"   "20030062071"   "20040094183"   "2498990"   "3969196"   "4012194"   "4543130"   "4944837"   "4998549"   "5013366"   "5201960"   "5213619"   "5236602"   "5316591"   "5337446"   "5339844"   "5344493"   "5412958"   "5456759"   "5494526"   "5501761"   "5505219"   "5514220"   "5522938"   "5526834"   "5700379"   "5730874"   "5772783"   "5789705"   "5873948"   "5908510"   "5944996"   "5965025"   "5976264"   "6067728"   "6085762"   "6092538"   "6106474"   "6114044"   "6165560"   "6176895"   "6224774"   "6228563"   "6240936"   "6242165"   "6277753"   "6286231"   "6306564").PN. OR ("6880560").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 10:54
S47	87	megasonic and ((pressur\$4 or supercritical) with electric\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/26 10:56
S48	5	("20020096578"   "20030062071"   "4543130"   "6100474"   "6106474").PN. OR ("7033068").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 10:59
S49	1	("5355901").PN.	USPAT; USOCR	OR	OFF	2006/10/26 11:23
S50	1	("5494526").PN.	USPAT; USOCR	OR	OFF	2006/10/26 11:19
S51	1	("6224774").PN.	USPAT; USOCR	OR	OFF	2006/10/26 11:19
S52	1	("6286231").PN.	USPAT; USOCR	OR	OFF	2006/10/26 11:19
S53	1	("20010050096").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 11:20
S54	1	("20020023662").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 11:20
S55	0	(2003/0062071).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 11:20

## EAST Search History

S56	1	("20030062071").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 11:21
S57	1	("5013366").PN.	USPAT; USOCR	OR	OFF	2006/10/26 11:24
S58	0	"5013366".pn. and megasonic	USPAT	OR	OFF	2006/10/26 11:24
S59	1	"5013366".pn. and sonic	USPAT	OR	OFF	2006/10/26 11:24
S60	140	("4061566"   "4147624"   "4379724"   "4576837"   "4718974"   "4854337").PN. OR ("5013366").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 11:25
S61	49	("3661660"   "3762952"   "4474199"   "5013366"   "5113802"   "5143663").PN. OR ("5261965").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 11:32
S62	11040	\$4sonic\$2 and (electric\$4 same (pressure or atmospher\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:34
S63	203	\$4sonic\$2 and (electric\$4 same (pressure or atmospher\$3)) and "134".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:35
S64	34	\$4sonic\$2 and (electric\$4 near5 (pressure or atmospher\$3)) and "134".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:36
S65	34	\$4sonic and (electric\$4 near5 (pressure or atmospher\$3)) and "134".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:36
S66	1455	\$4sonic and "134".clas.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:36
S67	1005	\$4sonic and "134".clas. and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:36

## EAST Search History

S68	4620305	\$4sonic and "134".clas. and high pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:37
S69	895	\$4sonic and "134".clas. and high and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:37
S70	0	\$4sonic and "134".clas. and high and pressure and supercritical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:37
S71	58	\$4sonic and "134".clas. and high and pressure and supercritical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:37
S72	895	\$4sonic and "134".clas. and high and pressure	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:37
S73	63	\$4sonic and "134".clas. and supercritical	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:38
S74	1024	\$4sonic and "134".clas. and pressur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:39
S75	38	S73 and megasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:38
S76	500	S74 and megasonic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:38
S77	441	(\$4sonic same (within or inside)) and "134".clas. and pressur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:39

## EAST Search History

S78	205	((4sonic same transducer) same ((within or inside)) and "134".clas. and pressur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 11:40
S79	114	((4sonic same transducer) same ((within or inside) near5 (chamber or vessel or tank or housing))) and "134".clas. and pressur\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 12:32
S80	109	((4sonic same transducer) same ((within or inside) near5 (chamber or vessel or tank or housing))) and "134".clas. and pressur\$4 and (gas or air or fluid or carbon)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 12:34
S81	49	((4sonic same transducer) same ((within or inside) near5 (chamber or vessel or tank or housing))) and "134".clas. and pressur\$4 and (gas or air or fluid or carbon) and (single near3 (wafer or substrate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/26 12:34
S82	0	("2003/0183246").URPN.	USPAT	OR	OFF	2006/10/26 12:36
S83	1	("20020014257").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 14:30
S84	1	("20010050096").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 15:29
S85	2	"6880560".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/10/26 15:29

## EAST Search History

S86	49	( "20020096578"   "20030062071"   "20040094183"   "2498990"   "3969196"   "4012194"   "4543130"   "4944837"   "4998549"   "5013366"   "5201960"   "5213619"   "5236602"   "5316591"   "5337446"   "5339844"   "5344493"   "5412958"   "5456759"   "5494526"   "5501761"   "5505219"   "5514220"   "5522938"   "5526834"   "5700379"   "5730874"   "5772783"   "5789705"   "5873948"   "5908510"   "5944996"   "5965025"   "5976264"   "6067728"   "6085762"   "6092538"   "6106474"   "6114044"   "6165560"   "6176895"   "6224774"   "6228563"   "6240936"   "6242165"   "6277753"   "6286231"   "6306564").PN. OR ("6880560").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 15:34
S87	1	"6880560".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/26 15:34

## EAST Search History

S88	49	( "20020096578"   "20030062071"   "20040094183"   "2498990"   "3969196"   "4012194"   "4543130"   "4944837"   "4998549"   "5013366"   "5201960"   "5213619"   "5236602"   "5316591"   "5337446"   "5339844"   "5344493"   "5412958"   "5456759"   "5494526"   "5501761"   "5505219"   "5514220"   "5522938"   "5526834"   "5700379"   "5730874"   "5772783"   "5789705"   "5873948"   "5908510"   "5944996"   "5965025"   "5976264"   "6067728"   "6085762"   "6092538"   "6106474"   "6114044"   "6165560"   "6176895"   "6224774"   "6228563"   "6240936"   "6242165"   "6277753"   "6286231"   "6306564").PN. OR ("6880560").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 15:34
S89	50	( "20020096578"   "20030062071"   "20040094183"   "2498990"   "3969196"   "4012194"   "4543130"   "4944837"   "4998549"   "5013366"   "5201960"   "5213619"   "5236602"   "5316591"   "5337446"   "5339844"   "5344493"   "5412958"   "5456759"   "5494526"   "5501761"   "5505219"   "5514220"   "5522938"   "5526834"   "5700379"   "5730874"   "5772783"   "5789705"   "5873948"   "5908510"   "5944996"   "5965025"   "5976264"   "6067728"   "6085762"   "6092538"   "6106474"   "6114044"   "6165560"   "6176895"   "6224774"   "6228563"   "6240936"   "6242165"   "6277753"   "6286231"   "6306564").PN. OR ("6880560").URPN.	US-PGPUB; USPAT; USOCR; EPO; JPO	OR	OFF	2006/10/26 15:47
S90	1	("4998549").PN.	USPAT; USOCR	OR	OFF	2006/10/26 15:47

## EAST Search History

S91	2	("2498990").PN.	USPAT; USOCR	OR	OFF	2006/10/26 15:48
S92	1	("6228563").PN.	USPAT; USOCR	OR	OFF	2006/10/26 15:48
S93	48	("4804007"   "4871417"   "4885047"   "4998549"   "5013366"   "5037481"   "5068040"   "5090432"   "5201960"   "5286657"   "5365960"   "5380397"   "5534076"   "5656097"   "5722442"   "5755934"   "5846386").PN. OR ("6228563"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 15:51
S94	10	S93 and megasonic	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 15:52
S95	91	"5456759"	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 15:52
S96	1	("5456759").PN.	USPAT; USOCR	OR	OFF	2006/10/26 15:53
S97	1	("5339844").PN.	USPAT; USOCR	OR	OFF	2006/10/26 16:26
S98	1	("5909741").PN.	USPAT; USOCR	OR	OFF	2006/10/26 16:26
S99	1	("5377709").PN.	USPAT; USOCR	OR	OFF	2006/10/26 16:27
S100	20	("2950725"   "3066686"   "4763677").PN. OR ("5377709"). URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/10/26 16:37
S101	0	("0641611").PN.	EPO	OR	OFF	2006/10/26 16:37
S102	0	("641611A").PN.	EPO	OR	OFF	2006/10/26 16:37
S103	0	("0641611").PN.	EPO	OR	OFF	2006/10/26 16:37
S104	0	("0641611").PN.	EPO	OR	OFF	2006/10/26 16:37
S105	0	("641611A").PN.	EPO	OR	OFF	2006/10/26 16:42